

Work Order ID 67084

Monday, March 07, 2011 3:52:20 PM



Page 1

Item ID: DSI 9396-011

Accept



Setup Start



Revision ID:

Item Name: Fwd Crosstube Support Change

Stop



Start Date: 3/8/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 3/9/2011 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan: *MRC*

Date: 11-03-07

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

DSI 9396

Rev B

100

0.00



DOCUMENT CONTROL

S. Woslos

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels as per PPP DSI 9396 CHG001

Pick Lit

H. Far CL 11-03-08

11/3/8

110

QC4- 100% Inspect kits for completeness

0.00



QC

Memo

0.00

Quality Control

S. Woslos

(H)

120

0.00



Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP DSI 9396

Location: *20*

□ PPP Rev: *A*

11/3/8

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 67084

Monday, March 07, 2011 3:52:20 PM



Page 2

Item ID: DSI 9396-011

Accept



Setup Start



Revision ID:

Item Name: Fwd Crosstube Support Change

Stop



Start Date: 3/8/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 3/9/2011 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/03/08

mf
11-03-08

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Monday, March 07, 2011 3:52:18 PM

Page 1

Work Order ID: 67084

Parent Item: DSI 9396-011

Parent Item Name: Fwd Crosstube Support Change

Start Date: 3/8/2011

Required Date: 3/9/2011

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A New Issue 07-12-17 DD verified by: EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3595-063-450 RUBBER CUSHION		Manufactured	No			110	Each	56.3390	4	4		11/3/85	

Location	Loc Qty	Loc Code
LG	51.33897368	
53775	5.97897368	
58161	3.56	
59580	0.12	
61465	4.68	
63960	10	
65656	27	
ST415	5	
64171	4	
64300	1	

MS21920-25

Purchased

No

110

Each

108.0000

4

4

Clamp(per MIL-DTL-8783C)

Location	Loc Qty	Loc Code
LG	79	
113281	0	
114759	5	
114901	3	
115278	1	
115849	20	
116264	50	
ST451	29	
109181	5	
113281	5	
113282	18	
113744	1	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D205-594 Rev. C (AND EARLIER) AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D205-594 Rev. 2 (AND EARLIER)
REF. CANADIAN STC: SH03-6 REFERENCE ONLY
REF. FAA STC: SR01742NY

For D205-596-101/-103 Crosstubes (ref. 39" Landing Gear) or D205-596-105/-107 Crosstubes (ref. 31" Landing Gear) at CHG 002 or later, the D2856-600-851/-1009 Abrasion Strips have been removed, the MS21920-25 Clamp replaces the MS21920-24 Clamps, the D2893-1 and D2940-1 Supports have been bonded onto the crosstubes using Magnobond 6398 and D3595-063-450/-530 Rubber Cushions have been installed underneath the MS21920-25/-28 Clamps. Amend Parts List of IIN-D205-594 Section 5 and ICA-D205-594 Section 32.8 as follows:

Remove:

QTY -101	QTY -103	QTY -105	QTY -107	Part Number	Description
2		2		D2856-600-851	ABRASION STRIP
	2		2	D2856-600-1009	ABRASION STRIP
4		4		MS21920-24	CLAMPS

Add:

QTY -101	QTY -103	QTY -105	QTY -107	Part Number	Description
4		4		D3595-063-450	RUBBER CUSHION
	4		4	D3595-063-530	RUBBER CUSHION
4		4		MS21920-25	CLAMP

To prevent the supports from shifting on D205-596-101/-103/-105/-107 Crosstubes at CHG 001, the D2893-1 or D2940-1 Supports should be removed and re-installed as follows:

- Follow section 32.1 of ICA-D205-594 for the removal of the crosstubes from the helicopter.
- Remove the MS21920-24/-28 Clamps that fasten the D2893-1 and D2940-1 Supports from the crosstubes per Section 32.3 of ICA-D205-594.
- Remove the D2856-600-851/-1009 Abrasion Strips from the crosstube per section 32.5 of ICA-D205-594.
- Inspect the crosstube surface underneath the supports for corrosion and mechanical damage per items 5.3.1 and 5.3.2 of the 300 hour inspection. Repair damage within acceptable limits and touch up finish per item 5.3.3 of the 300 hour inspection.
- Inspect the supports for corrosion and mechanical damage per items 5.3.4 of the 300 hour inspection. Repair damage within acceptable limits and touch up finish per item 5.3.4 of the 300 hour inspection.
- Abrade area to which support will be applied with 400 grit sandpaper. Saturate a clean cloth with MEK or 4105S Wash'n'Wipe Degreaser or equivalent and wipe area until there is no residue.
- Apply a 0.03" to 0.06" thick layer of Magnobond 6398 underneath D2893-1 or D2940-1 Supports and re-install the Supports on the crosstube as shown in Figure 1. Install a D3595-063-450/-530 Rubber Cushion on each MS21920-25/-28 Clamp. Position and secure the D2893-1 or D2940-1 Supports on the crosstube using MS21920-25/-28 Clamps. Torque clamps to 80-100 in.-lb. Let the D205-596-101/-103/-105/-107 Crosstube Assembly cure before re-installing the crosstube on the aircraft.
Note: It is acceptable to substitute the MS21920-25/-28 with longer or shorter clamps to accommodate varying diameters. Ensure there is a minimum of 1.5 threads in safety on the nut.
- Re-install the D205-596-101/-103/-105/-107 crosstube per section 32.2 of ICA-D205-594.

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED	
BY: 	
D. SHEPHERD (DE # 02)	
DATE: 07.12.04	
CERT. NO.: SH03-6	
ISSUE NO.: 3	

B	REPLACE MS21920-24 WITH MS21920-25 ON -101/-105; ADDED EXTRA NOTE TO INSTALLATION PROCEDURE (STEP 7)	MB	07.12.04
A	NEW ISSUE	MB	07.11.16
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		DSI 9396	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.		CROSSTUBE SUPPORT CHANGE	NTS
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For customers who would like to upgrade their D205-596-101/-103/-105/-107 Crosstubes from CHG 001 to CHG 002, the following kits can be obtained from Dart:

REFERENCE ONLY

DSI 9396-XXX PARTS LIST

QTY -011	QTY -013	Part Number	Description
X		DSI 9396-011	FWD CROSSTUBE SUPPORT CHANGE (D205-596-101/-105 FWD CROSSTUBE)
	X	DSI 9396-013	AFT CROSSTUBE SUPPORT CHANGE (D205-596-103/-107 AFT CROSSTUBE)
4		D3595-063-450	RUBBER CUSHION
4		MS21920-25	CLAMP
	4	D3595-063-530	RUBBER CUSHION
	4	MS21920-28	CLAMP

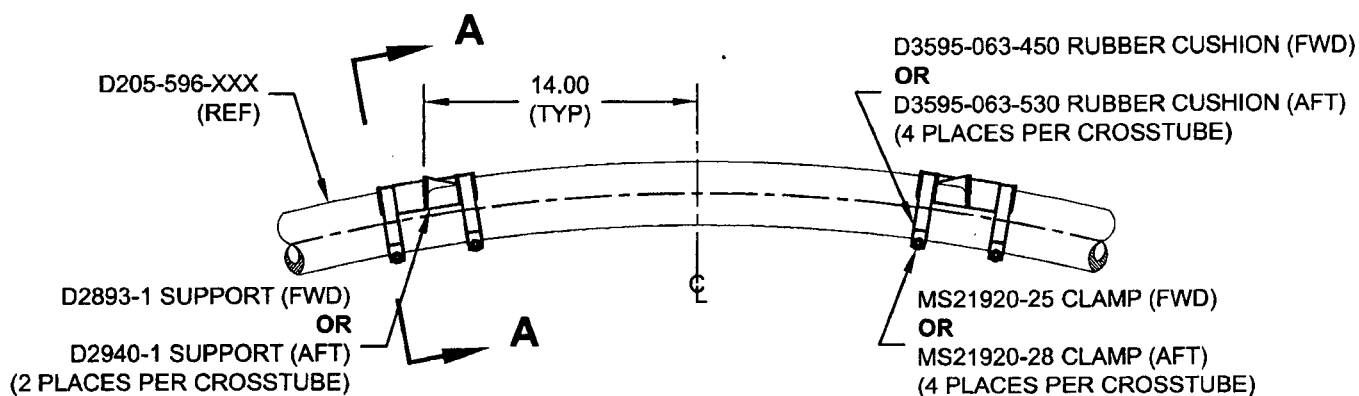
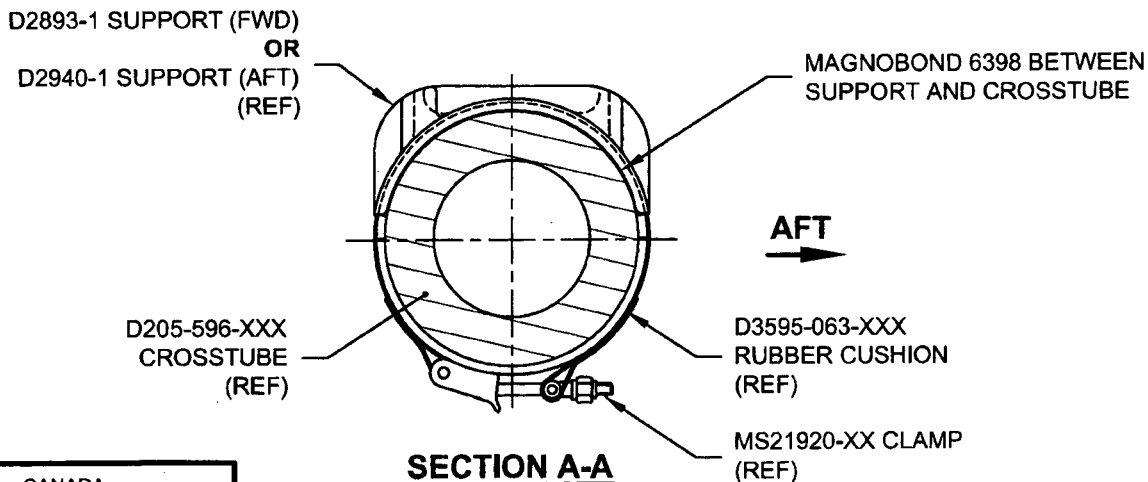


FIGURE 1: INSTALLATION OF SUPPORT ON CROSSTUBE



CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 07.12.04
CERT. NO.: SH03-6
ISSUE NO.: 3

DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	<i>[Signature]</i>	
CHECKED	<i>[Signature]</i>	DRAWING NO. REV. B
MFG. APPR.	<i>[Signature]</i>	DSI 9396 SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	TITLE SCALE
DE APPR.	<i>[Signature]</i>	CROSSTUBE SUPPORT CHANGE NTS
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